

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/18749

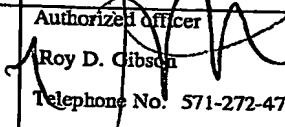
Box IV TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)**NEW ABSTRACT**

A percutaneous treatment catheter comprises a canopy (12) having a treatment side adapted to provide at least one of a variety of treatments to a first tissue layer and a protection side that protects adjacent tissue from the treatment. Treatments include, but are not limited to, those that act to cause an inflammatory response resulting in forming scar tissue that would tend to form adhesions, such as, but not limited to, for the treatment of pleural effusions. In an embodiment, a treatment catheter comprises a shaft (20) having a shaft and a treatment head (10) disposed about the shaft distal end, the treatment head adapted to present a low profile in a closed state and a broad profile in 10 a deployed state, the treatment head adapted to percutaneously treat one of first and second tissue layers and protect the other of the first and second tissue layers from the treatment.

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A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : A61F 7/00, 7/12 US CL : 607/96, 101; 606/15 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S. : 607/96, 101; 606/15			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) NONE			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	US 4,976,711 A (PARINS et al) 11 December 1990, see col 6, line 37-col. 7, line 18.	1,19,20,22,25	
Y		-----	
X	US 6,004,269 A (CROWLEY et al) 21 December 1999, see col. 24, line 46-col. 10, line 26.	18, 26-30	
Y		-----	
Y	US 6,056,744 A (EDWARDS) 02 May 2000, see col. 8, lines 33-457.	1, 16	
A	US 5,053,008 A (BAJAJ) 01 October 1991, see entire document	18	
		26-30	
		1-34	
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>		See patent family annex.	
Special categories of cited documents:			
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		
Date of the actual completion of the international search 14 April 2005 (14.04.2005)		Date of mailing of the international search report 10 MAY 2005	
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer  Roy D. Gibson Telephone No. 571-272-4767	